

000220"25372900

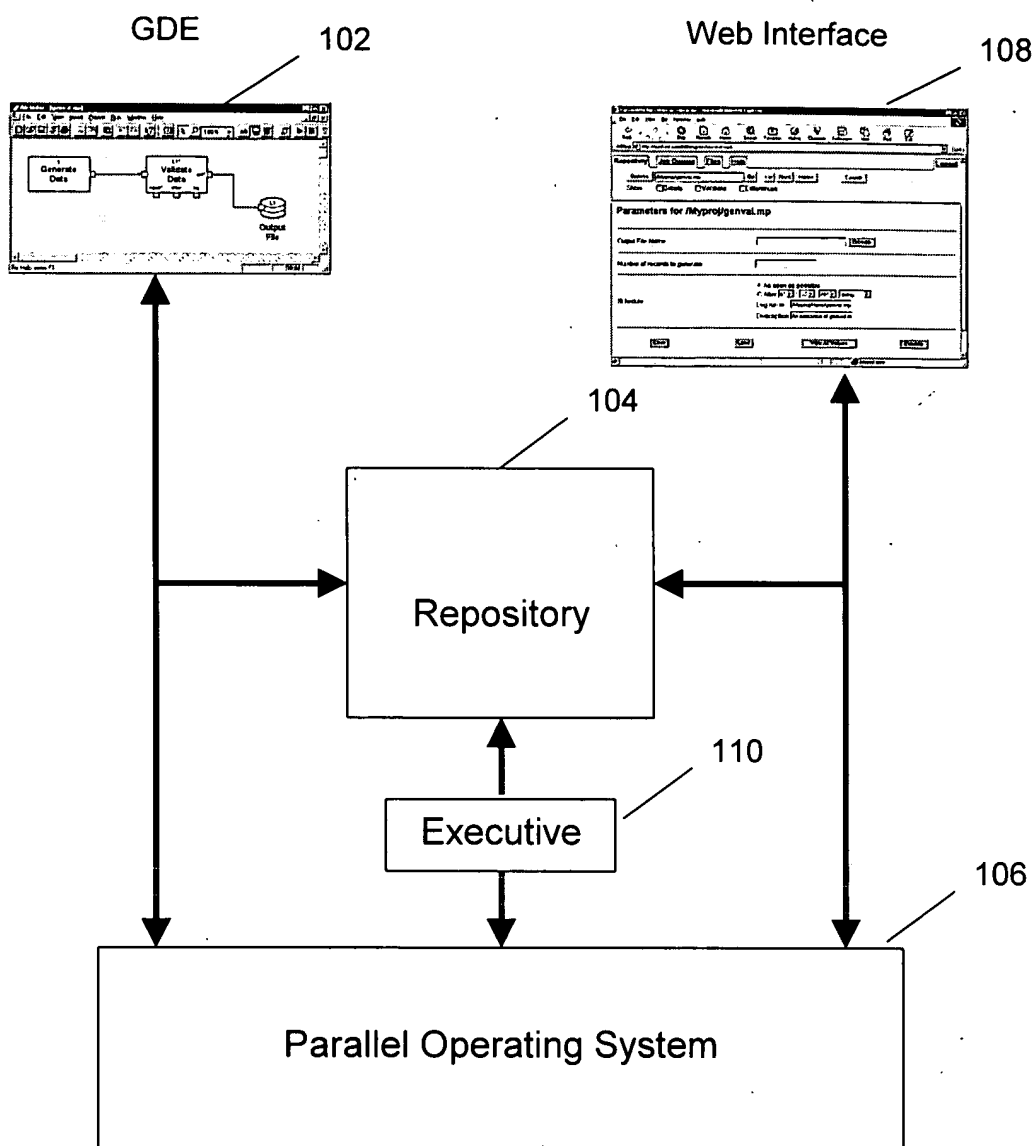
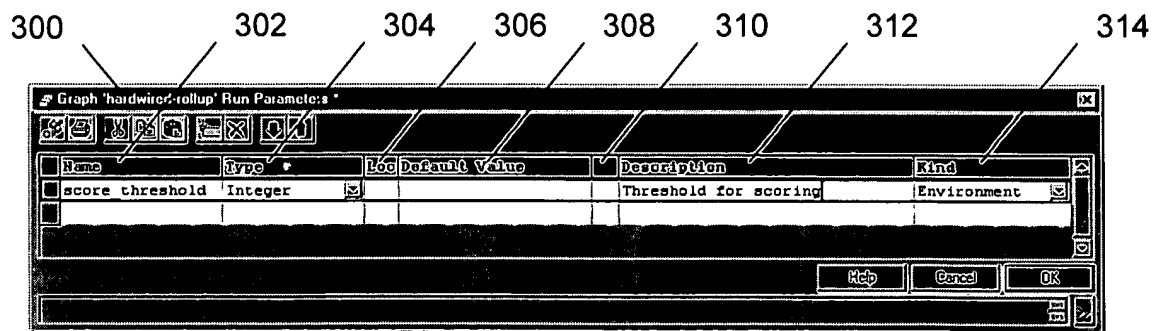


FIG. 1

```

graph LR
    Accounts202[(Accounts 202)] --> Rollup202[Rollup 202]
    Detail202[(Detail 202)] --> Rollup202
    Rollup202 --> Join[Join]
    Join --> Sort204[Sort 204]
    Interface206[Interface: Key for Sort, Rules for Rollup 206] --> Rollup202
    Interface206 --> Sort204
    Sort204 --> OutputFile[(Output File)]
  
```



00000000000000000000000000000000

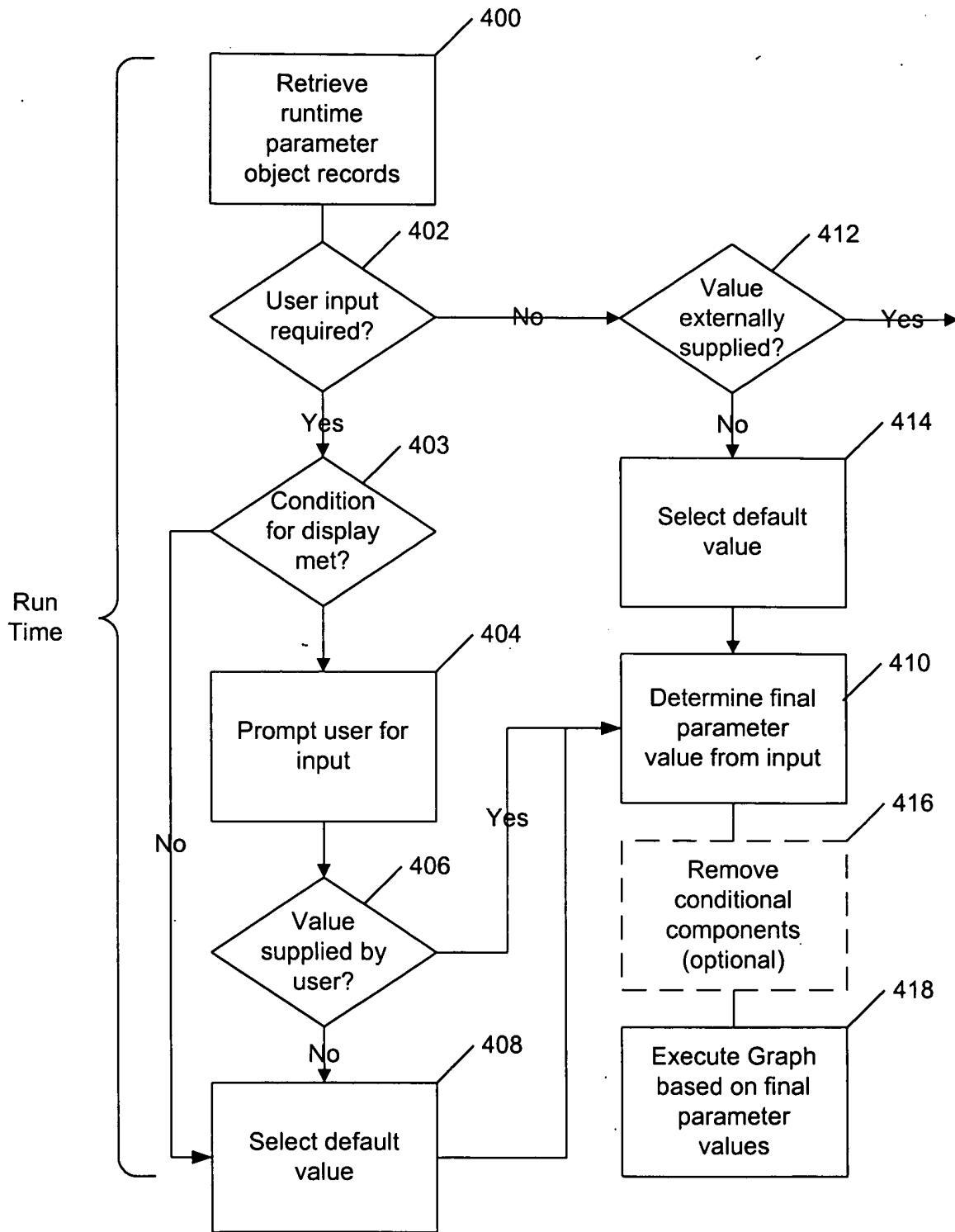


FIG. 4

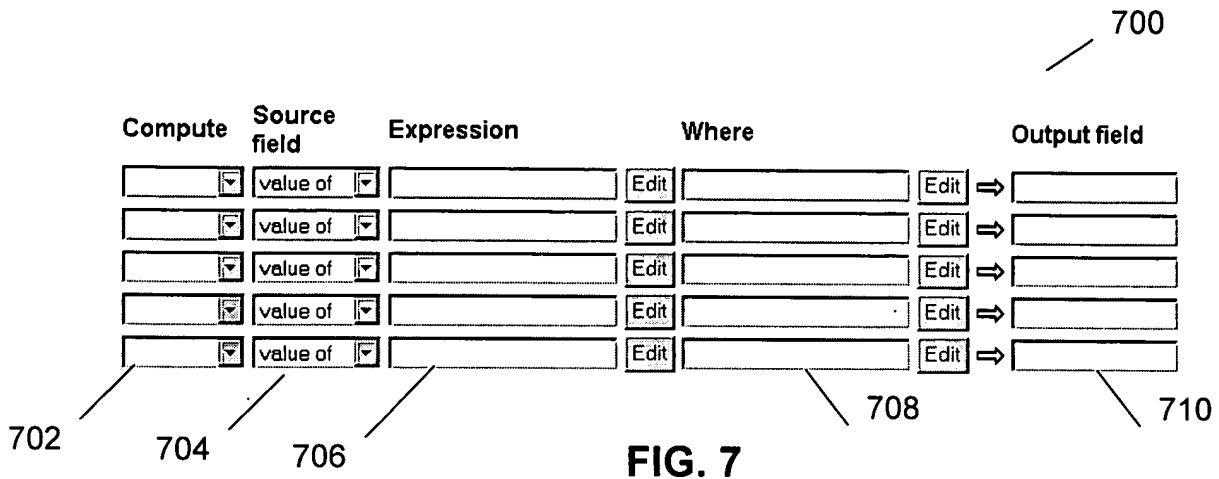


FIG. 7

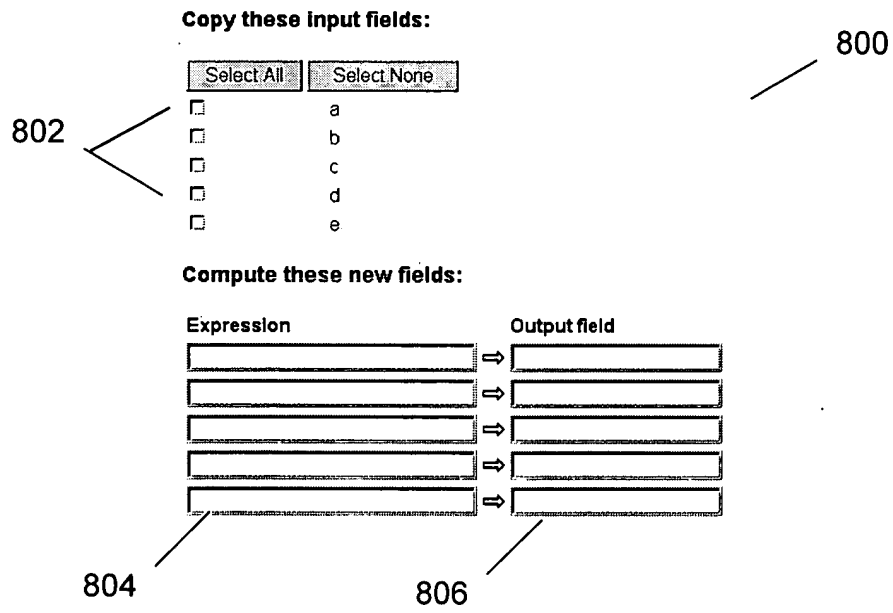


FIG. 8

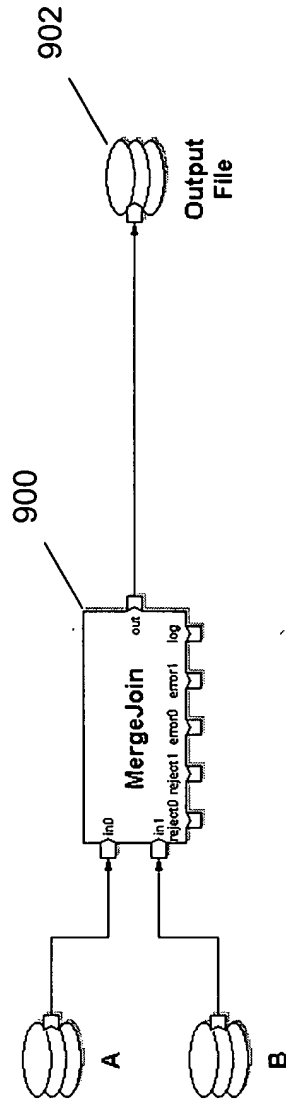


FIG. 9A
Join A and B

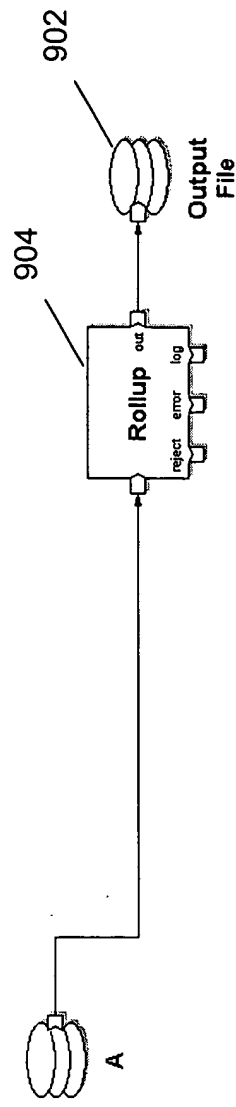


FIG. 9B

Aggregate A

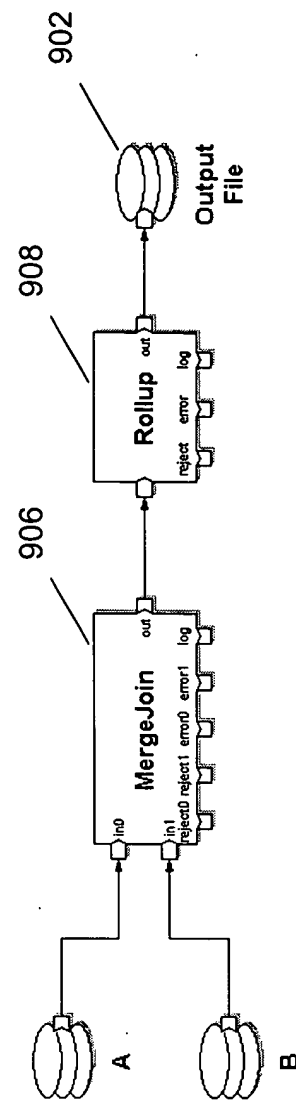


FIG. 9C
Join A & B, then aggregate



FIG. 11

3 1 1

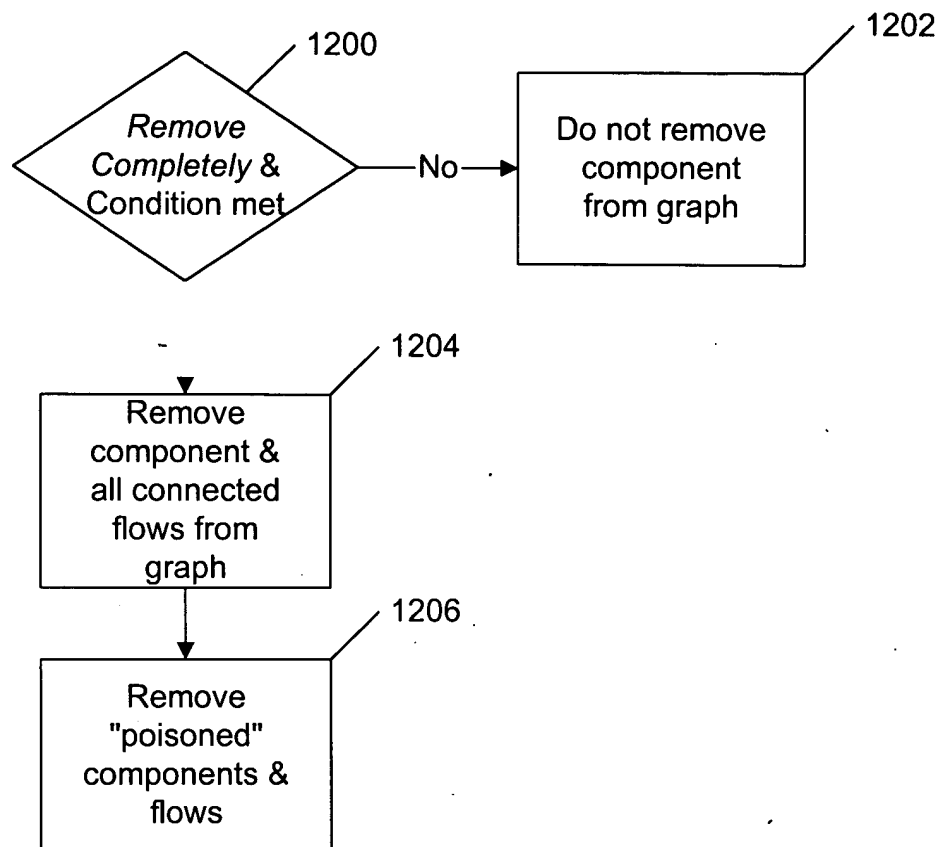


FIG. 12

09627252.072800

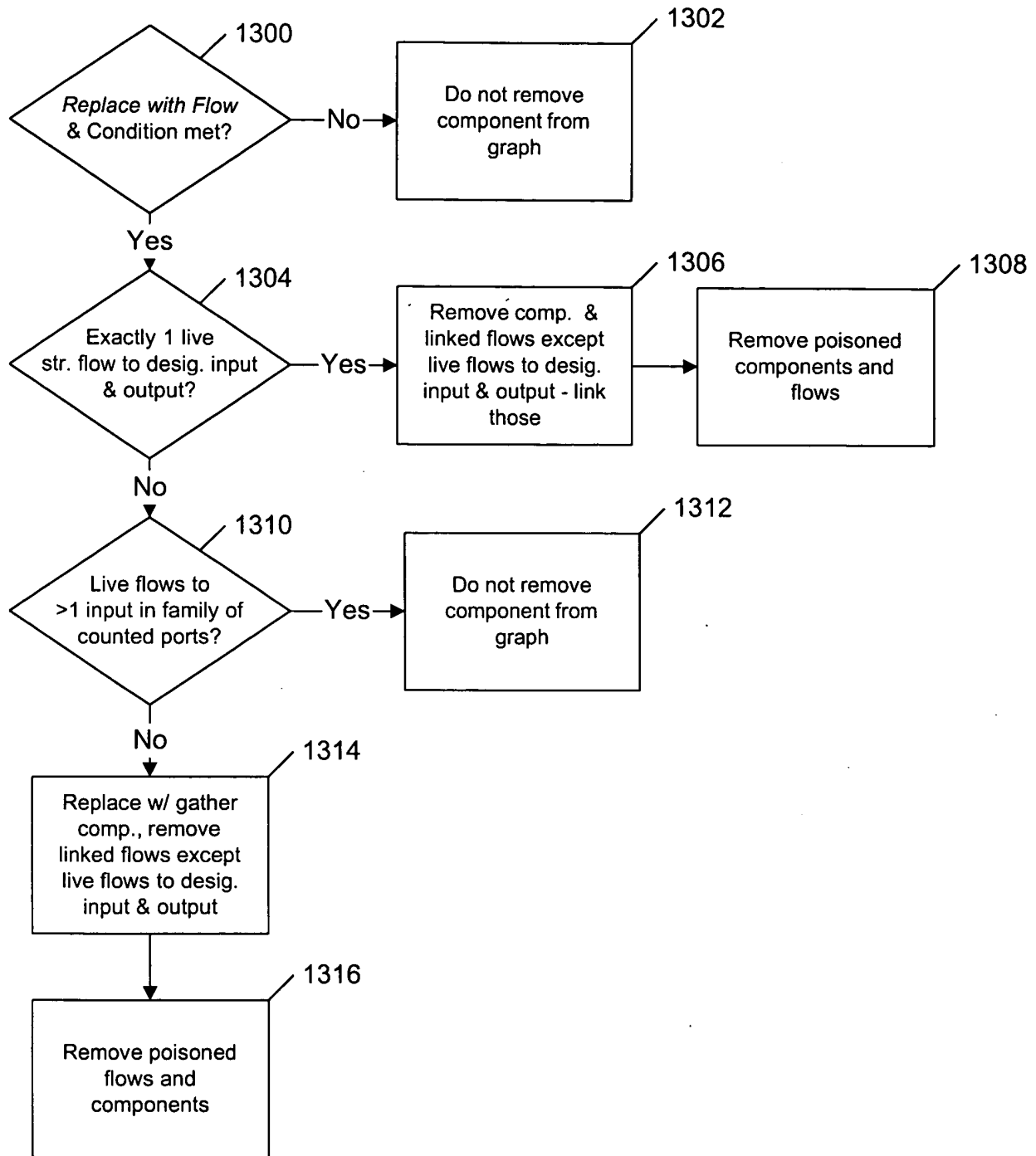


FIG. 13

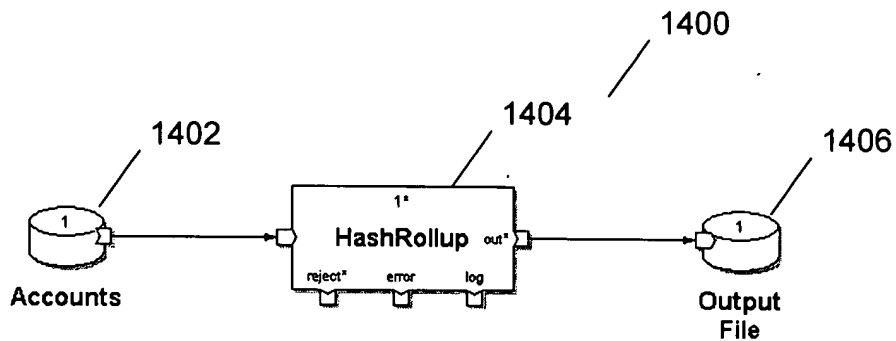


FIG. 14

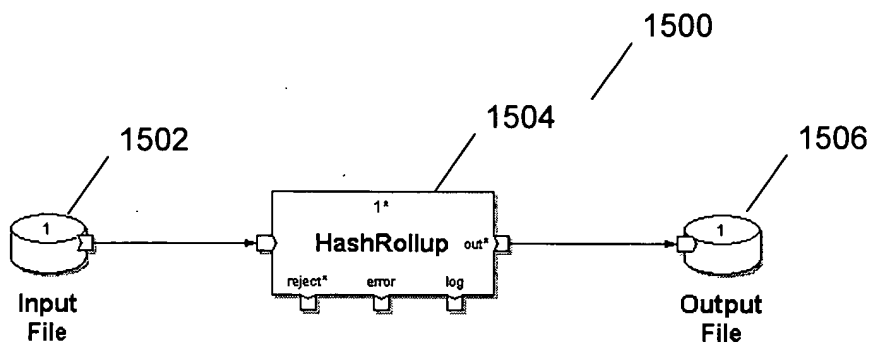


FIG. 15

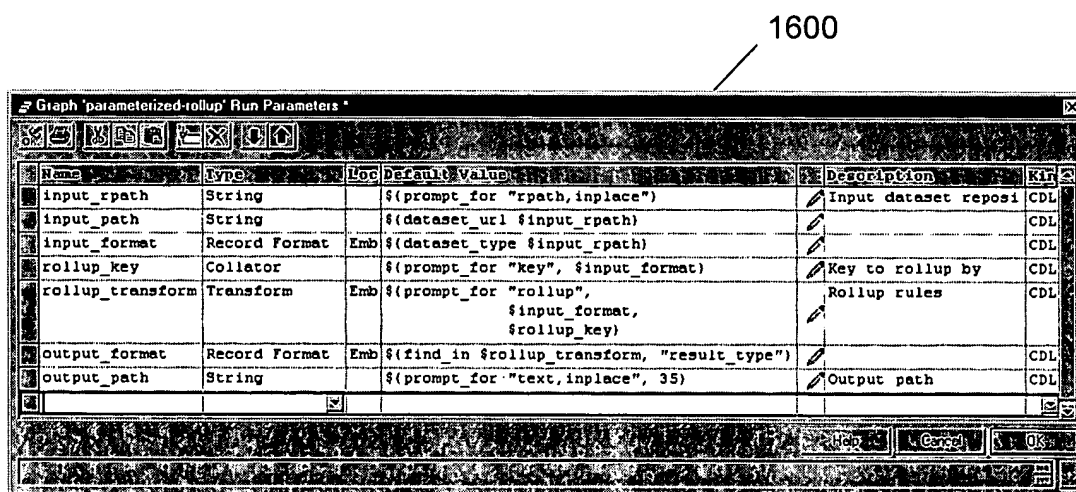


FIG. 16

1700

1702

1704 Input dataset repository path

1706 Key to rollup by

1708 Rollup rules *No rules*

Output path

1700

1702

1704

Input dataset repository path

/Schema/Warehouse/CallDetail

Browse

1710

1706

Key to rollup by

dt

1712

Edit

1708

Rollup rules

max(duration) => max_duration

min(duration) => min_duration

records => num_calls

1714

Edit

Output path

results.dat

1716

FIG. 17B

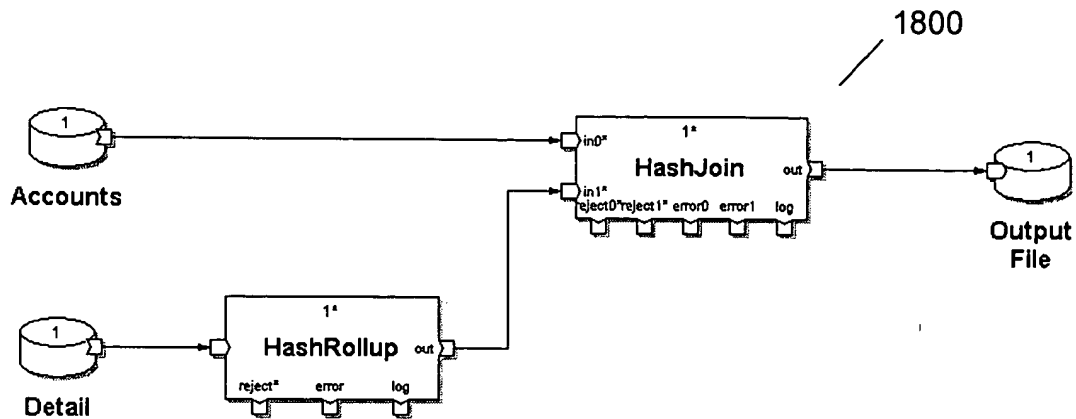


FIG. 18

FIG. 19 is a screenshot of a 'Run Parameters' dialog box for a 'parameterized rollup-join' graph. The dialog box contains a table with the following columns: Name, Type, Loc, Default Value, Description, and Kin. The table lists several parameters for the rollup and join operations.

Name	Type	Loc	Default Value	Description	Kin
rollup_transform	Transform	Emb	\$(prompt_for "rollup,inplace", \$(dataset_type "/Schema/Warehouse/CallDet "acct_no")	Detail rollup rules	CDL
rollup_format	Record Format	Emb	\$(find_in \$rollup_transform, "result_type")		CDL
join_transform	Transform	Emb	\$(xfr_for_join "join", \$(dataset_type "/Schema/Warehouse/Account \$rollup_format)		CDL
join_format	Record Format	Emb	\$(type_join \$(dataset_type "/Schema/Warehouse/Accounts \$rollup_format)		CDL
output_path	String		\$(prompt_for "text,inplace", 35)	Output path	CDL

The dialog box also includes 'Help', 'Cancel', and 'OK' buttons at the bottom right. The entire screenshot is labeled with the reference numeral 1900.

FIG. 19

FIG. 20 is a 'Detail rollup rules' configuration window. It features a table with columns: Compute, Source field, Expression, Where, and Out. Below the table is an 'Output path' field.

Compute	Source field	Expression	Where	Out
<input type="checkbox"/>	value of			<input type="checkbox"/>
<input type="checkbox"/>	value of			<input type="checkbox"/>
<input type="checkbox"/>	value of			<input type="checkbox"/>
<input type="checkbox"/>	value of			<input type="checkbox"/>
<input type="checkbox"/>	value of			<input type="checkbox"/>

Below the table, there is an 'Output path' field with a text input box. The entire window is labeled with the reference numeral 2002.

FIG. 20

